

Please type a sign(+) inside

UTILITY PATENT APPLICATION TRANSMITTAL
(Only for new nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No.	1503.011000E
First Inventor or Application Identifier	Michael W. Pantoliano
Title	Microplate Thermal Shift Assay Apparatus for Ligand Development and Multi-Variable Protein Chemistry Optimization
Express Mail Label No.	

APPLICATION ELEMENTS
See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:
Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

10713 U.S. Pro
09/801676
03/09/01

- * Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
- Specification [Total Pages 110]
 - Descriptive title of the invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
- Drawing(s) (35 U.S.C. 113) [Total Sheets 42]
- Oath or Declaration [Total Pages 3]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed)
[Note Box 5 below]
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).
- Incorporation By Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy or the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. Computer Readable Copy
 - b. Paper Copy (identical to computer copy)
 - c. Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. Assignment Papers (cover sheet & document(s))
9. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney
10. English Translation Document (if applicable)
11. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
12. Preliminary Amendment
13. Two (2) Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
14. *Small Entity Statement(s) (PTO/SB/09-1) Statement filed in prior application, Status still proper and desired
15. Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. Other: 37 C.F.R. § 1.136(a)(3) Authorization
 Other:

*NOTE FOR ITEMS 8 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

Continuation Divisional

Continuation-in-Part (CIP) of prior application No: 09/459,996

Prior application information: Examiner J. Snay

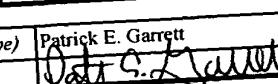
Group/Art Unit: 1743

18. **PRINCIPAL PLACE OF BUSINESS ADDRESS**

Customer Number or Bar Code Label

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(Insert Customer Number/Bar code label here)

Correspondence address below

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NAME (Print/Type)	Patrick E. Garrett		Registration No. (Attorney/Agent)	39,987
SIGNATURE			Date	3/9/01

Burden Hour Statement: this form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



03/09/01

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

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09/001676

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**REGISTERED PATENT AGENT
***SENIOR COUNSEL

March 9, 2001

WRITER'S DIRECT NUMBER:
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INTERNET ADDRESS:
PGARRETT@SKGF.COM

Assistant Commissioner for Patents
Washington, D.C. 20231

Box Patent Application

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)
(A Continuation of Appl. No. 09/459,996; Filed: December 14, 1999)
Appl. No. To Be Assigned; Filed: March 9, 2001
For: **Microplate Thermal Shift Assay Apparatus for Ligand Development and Multi-Variable Protein Chemistry Optimization**
Inventors: Pantoliano *et al.*
Our Ref: 1503.011000E

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. PTO Utility Patent Application Transmittal Form (PTO/SB/05);
2. A true copy of prior application number 09/459,996; Filed: December 14, 1999; entitled

Microplate Thermal Shift Assay Apparatus for Ligand Development and Multi-Variable Protein Chemistry Optimization

and naming as inventors:

Michael W. Pantoliano
Roger F. Bone
Alexander W. Rhind
Francis R. Salemme

Assistant Commissioner for Patents

March 9, 2001

Page 2

the application consisting of:

- a. A specification containing:
 - (i) 99 pages of description prior to the claims;
 - (ii) 10 pages of claims (53 claims);
 - (iii) a one (1) page abstract;
- b. 42 sheets of drawings: (Figures 1-16, 17A-D, 18-31, 32A-E, 33-35, 36A, 36B, 37-40, 41A, 41B, 42); and
- c. A copy of the executed Declaration, as originally filed in U.S. Appl. No. 09/459,996;

3. PTO Fee Transmittal Form PTO/SB/17;
4. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3);
5. Preliminary Amendment;
6. Application Data Sheet;
7. Two (2) return postcards; and
8. Our check No. for \$760.00 to cover:

\$760.00 Filing fee for patent application.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

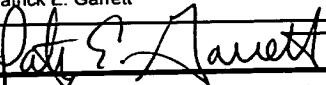


Patrick E. Garrett
Attorney for Applicants
Registration No. 39,987

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL		Complete if Known	
for FY 1999		Application Number	To Be Assigned
<small>Patent fees are subject to annual revision. Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.</small>		Filing Date	March 9, 2001
		First Named Inventor	Michael W. Pantoliano
		Examiner Name	To Be Assigned
		Group / Art Unit	To Be Assigned
		Attorney Docket Number	1503.011000E
TOTAL AMOUNT OF PAYMENT		(\$760.00)	

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																																																																																																																																																																					
<p>1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:</p> <table border="1" style="margin-left: 20px;"> <tr><td>Deposit Account Number</td><td>19-0036</td></tr> <tr><td>Deposit Account Name</td><td>Sterne, Kessler, Goldstein & Fox P.L.L.C.</td></tr> </table> <p><input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17</p>		Deposit Account Number	19-0036	Deposit Account Name	Sterne, Kessler, Goldstein & Fox P.L.L.C.	<p>3. ADDITIONAL FEES</p> <table border="1" style="width: 100%;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td> 03/09/01</td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or oath</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>380</td><td>216</td><td>190</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>870</td><td>217</td><td>435</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,360</td><td>218</td><td>680</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,850</td><td>228</td><td>925</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>300</td><td>219</td><td>150</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>300</td><td>220</td><td>150</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>260</td><td>221</td><td>130</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - 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<p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p><input type="checkbox"/> Money Order <input checked="" type="checkbox"/> Other*</p> <p>*Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.</p>		<p>FEE CALCULATION</p> <p>1. BASIC FILING FEE</p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Large Fee Code (\$)</th> <th>Entity Fee (\$)</th> <th>Small Fee Code (\$)</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>760</td><td>201</td><td>380</td><td>Utility filing fee</td><td>760.00</td></tr> <tr><td>106</td><td>310</td><td>206</td><td>155</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>480</td><td>207</td><td>240</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>760</td><td>208</td><td>380</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr> </tbody> </table> <p>SUBTOTAL (1) (\$ 760.00)</p> <p>2. EXTRA CLAIM FEES</p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Extra</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>Total Claims 1 - 20** = 0</td><td>X 0</td><td>= 0.00</td></tr> <tr><td>Indep. Claims 1 - 1** = 0</td><td>X 0</td><td>= 0.00</td></tr> <tr><td>Multiple Dependent</td><td></td><td>= 0.00</td></tr> </tbody> </table> <p>** or number previously paid, if greater; For Reissues, see below</p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Large Fee Code (\$)</th> <th>Entity Fee (\$)</th> <th>Small Fee Code (\$)</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td></tr> <tr><td>102</td><td>78</td><td>202</td><td>39</td><td>Independent claims in excess of 3</td></tr> <tr><td>104</td><td>260</td><td>204</td><td>130</td><td>Multiple dependent claim</td></tr> <tr><td>108</td><td>78</td><td>209</td><td>39</td><td>**Reissue independent claims over original patent</td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>**Reissue claims in excess of 20 and over original patent</td></tr> </tbody> </table> <p>SUBTOTAL (2) (\$ 0.00)</p>				Large Fee Code (\$)	Entity Fee (\$)	Small Fee Code (\$)	Entity Fee (\$)	Fee Description	Fee Paid	101	760	201	380	Utility filing fee	760.00	106	310	206	155	Design filing fee		107	480	207	240	Plant filing fee		108	760	208	380	Reissue filing fee		114	150	214	75	Provisional filing fee		Extra	Fee from below	Fee Paid	Total Claims 1 - 20** = 0	X 0	= 0.00	Indep. Claims 1 - 1** = 0	X 0	= 0.00	Multiple Dependent		= 0.00	Large Fee Code (\$)	Entity Fee (\$)	Small Fee Code (\$)	Entity Fee (\$)	Fee Description	103	18	203	9	Claims in excess of 20	102	78	202	39	Independent claims in excess of 3	104	260	204	130	Multiple dependent claim	108	78	209	39	**Reissue independent claims over original patent	110	18	210	9	**Reissue claims in excess of 20 and over original patent																																																																																																				
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SUBMITTED BY		Complete (if applicable)	
Typed or Printed Name	Patrick E. Garrett	Reg. Number	39,987
Signature		Date	3/9/01
Deposit Acct. User ID			

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Pantoliano *et al.*

Appl. No. To Be Assigned
(A Continuation of Appl. No.09/459,996)

Filed: March 9, 2001

For: **Microplate Thermal Shift Assay
Apparatus for Ligand
Development and Multi-Variable
Protein Chemistry Optimization**

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket: 1503.011000E

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09/801676
03/09/01


**Authorization To Treat A Reply As Incorporating An Extension Of Time
Under 37 C.F.R. § 1.136(a)(3)**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply. A duplicate copy of this authorization is enclosed.

Respectfully submitted,


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